

NOV 19 2004

## IN THE US PATENT &amp; TRADEMARK OFFICE

APPLICANTS: MEKATA &amp; FUJIO

AF

SERIAL #: 10/ 018,515 ATT. DOCKET: 542-003-3

FILED: 13 DEC. 2001

TITLE: INTERMITTENT INJECTION AEROSOL PRODUCT FOR SKIN

EXAMINER: ALTON PRYOR ART UNIT: 1616

AMENDMENT 37 C.F.R. 1.116

Commissioner for Patents  
PO BOX 1450  
ALEXANDRIA VA 22313-1450

Sir:

Responsive to the Final Action of 25 AUG. 2004,  
the term for response to which expires 25 NOV. 2004,  
and to the Interview Summary faxed on 7 SEP. 2004,  
please amend as follows:

IN THE CLAIMS:

Cancel claims 1-3 and 5-21, without prejudice.

## CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted  
to Patent Office Art Unit 1616 at 703-872-9306 on the date shown  
below.



3 PAGES Milton Oliver, Reg. No. 28,333

19 NOV. 2004  
DATE

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1.-21. (Cancelled)

22. (Previously Presented) An intermittent aerosol dispensing device for application of a product to skin of a human being, comprising

a cylinder adapted to be secured atop an aerosol can and communicating with a pressurized product in said can via a port;

a hollow piston forming a nozzle and adapted to reciprocate within said cylinder and a needle adapted to intermittently engage against an inner surface of said hollow piston, said piston and needle defining therebetween

a pressure chamber adapted to receive pressurized product via said port from said aerosol can, said pressurized product moving said piston and needle away from said port;

spring means tending, once differential pressure between said port and said pressure chamber has decreased, to urge said needle away from said piston, thereby venting said pressure chamber via said nozzle to ambient air for a predetermined injection time interval, and

spring means tending, once differential pressure between said pressure chamber and ambient air has decreased, to urge said piston against said needle for a predetermined stop time interval;

wherein, by appropriate selection of a spring constant of said spring means,

a ratio of an injection time to a stop time is set to 0.1 to 5.0, when a valve is opened, in order to obtain a sufficient yet not excessive cooling and/or massage effect on the skin.